

Substitute Form PTO-1449 (Modified) <b>Information Disclosure Statement by Applicant</b> Use several sheets if necessary (37 CFR §1.52(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 14875-152US1	Application No. 10/550,987
	Applicant Tatsuhiko Kodama et al.		
	Filing Date September 26, 2005	Group Art Unit	

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
/CY/	AA	WO 03/033024 A1	4/24/03	WIPO			English abstract	

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
/CY/	AB	Liang, R. et al., "Human Intestinal H <sup>+</sup> /Peptide Cotransporter", J. Biol. Chem., 270:6456-63 (1995)
/CY/	AC	Liu, W. et al., "Molecular cloning of PEPT 2, a new member of the H <sup>+</sup> /peptide cotransporter family, from human kidney", Biochim. Biophys. Acta, 1235:461-6 (1995)

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10/550,987**Information Disclosure Statement  
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(37 CFR §1.98(b))

Applicant  
Tatsuhiko Kodama et al.Filing Date  
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Group Art Unit

**U.S. Patent Documents**

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/CY/	AA	5,849,525	12/15/1998	Hediger			
	AB	6,270,978	08/07/2001	Bright et al.			
	AC	6,713,278	03/30/2004	Bouvier et al.			
	AD	2005/0004227	01/06/2005	Saitoh			
	AE	2005/0222391	10/06/2005	Kodama et al.			
	AF	2005/0281825	12/22/2005	Kodama et al.			
/CY/	AG	2006/0084119	04/20/2006	Saitoh et al.			
	AH						

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							Yes	No
/CY/	AI	6-261761	09/20/1994	JP			X	
	AJ	11-172	01/06/1999	JP			X	
	AK	97/19919	06/05/1997	WIPO			English abstract	
	AL	98/46777	10/22/1998	WIPO			see AC	
	AM	00/28016	05/18/2000	WIPO				
	AN	03/047621	06/12/2003	WIPO			X	
	AO	03/083116	10/09/2003	WIPO			X	
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**Other Documents (include Author, Title, Date, and Place of Publication)**

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/CY/	AQ	Basu et al., "Development and Utility of Anti-PepT1 Anti-Peptide Polyclonal Antibodies", Pharm. Res., 15:338-342 (1998)
/CY/	AR	Blissard et al., "Location, Sequence, Transcriptional Mapping, and Temporal Expression of the gp64 Envelope Glycoprotein Gene of the <i>Orgyia pseudotsugata</i> Multicapsid Nuclear Polyhedrosis Virus", Virology, 170:537-555 (1989)
/CY/	AS	Friedman et al., "Passive and Carrier-Mediated Intestinal Absorption Components of Two Angiotensin Converting Enzyme (ACE) Inhibitor Prodrugs in Rats: Enalapril and Fosinopril", Pharm. Res., 6:1043-1047 (1989)

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	AU	Ganapathy et al., "Proton-coupled solute transport in the animal cell plasma membrane", Curr. Opin. Cell Biol., 3:695-701 (1991)
	AV	Gonzalez et al., "An Oligopeptide Transporter is Expressed at High Levels in the Pancreatic Carcinoma Cell Lines AsPc-1 and Capan-2", Cancer Res., 58:519-525 (1998)
	AW	Higgins, "ABC Transporters: From Microorganisms to Man", Annu. Rev. Cell Biol., 8:67-113 (1992)
	AX	Knutter et al., "A Novel Inhibitor of the Mammalian Peptide Transporter PEPT1", Biochemistry, 40:4454-4458 (2001)
	AY	Lee et al., "Biopharmaceutics of transmucosal peptide and protein drug administration: role of transport mechanisms with a focus on the involvement of PepT1", J. Controlled Release, 62:129-140 (1999)
	AZ	Lindley et al., "Production of monoclonal antibodies using recombinant baculovirus displaying gp64-fusion proteins", J. Immunol. Methods, 234:123-135 (2000)
	AAA	Loisel et al., "Recovery of homogeneous and functional $\beta_1$ -adrenergic receptors from extracellular baculovirus particles", Nat. Biotechnol., 12:1300-1304 (1997)
	ABB	Mangor et al., "A GP64-Null Baculovirus Pseudotyped with Vesicular Stomatitis Virus G Protein", J. Virol., 75:2544-2556 (2001)
	ACC	Mikhailov et al., "Expression of functionally active ATP-sensitive K-channels in insect cells using baculovirus", FEBS Lett., 429:390-394 (1998)
	ADD	Mrsny, "Oligopeptide Transporters as Putative Therapeutic Targets for Cancer Cells", Pharm. Res., 15:816-818 (1998)
	AEE	Muranushi et al., "Transport Characteristics of Cefibuten, a New Oral Cephem, in Rat Intestinal Brush-Border Membrane Vesicles: Relationship to Oligopeptide and Amino $\beta$ -Lactam Transport", Pharm. Res., 6:308-312
	AFF	Nakanishi et al., "Cancer Cell-Targeted Drug Delivery Utilizing Oligopeptide Transport Activity", Int. J. Cancer, 88:274-280 (2000)
	AGG	Nakashima et al., "Kinetics and Mechanism of <i>In Vitro</i> Uptake of Amino- $\beta$ -Lactam Antibiotics by Rat Small Intestine and Relation to the Intact-peptide Transport System", Biochem. Pharmacol., 33:3345-3352 (1984)
	AHH	Noe et al., "Characterization of the Mouse Bile Salt Export Pump Overexpressed in the Baculovirus System", Hepatology, 33:1223-1231 (2001)
	AII	Ogihara et al., "Immuno-Localization of H <sup>+</sup> /Peptide Cotransporter in Rat Digestive Tract", Biochem. Biophys. Res. Commun., 220:848-852 (1996)
	AJJ	Okano et al., "H <sup>+</sup> Coupled Uphill Transport of Aminocephalosporins via the Dipeptide Transport System in Rabbit Intestinal Brush-border Membranes", J. Biol. Chem., 261:14130-14134 (1986)
	AKK	Sai et al., "Immunolocalization and pharmacological relevance of oligopeptide transporter PepT1 in intestinal absorption of $\beta$ -lactam antibiotics", FEBS Lett., 392:25-29 (1996)
/CY/	ALL	Sai et al., "Selective Delivery of Peptide Anticancer Drugs Via Oligopeptide Transporter Expressed in Cancer Cells", Millennium World Congress of Pharmaceutical Sciences, 61:2-2124 (2000)

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/CY/	AMM	Saito et al., "Cloning and Characterization of a Rat H <sup>+</sup> /peptide Cotransporter Mediating Absorption of $\beta$ -Lactam Antibiotics in the Intestine and Kidney", J. Pharmacol. Exp. Ther., 275:1631-1637 (1995)
	ANN	Saito et al., "Molecular cloning and tissue distribution of rat peptide transporter PEPT2", Biochim. Biophys. Acta., 1280:173-177 (1996)
	AOO	Sakaguchi et al., "The Ion Channel activity of the Influenza Virus M <sub>2</sub> Protein Affects Transport through the Golgi Apparatus", J. Cell. Biol., 133:733-747 (1996)
	APP	Satoi et al., "Genetic Immunization of Wild-Type and Hepatitis C Virus Transgenic Mice Reveals a Hierarchy of Cellular Immune Response and Tolerance Induction against Hepatitis C Virus Structural Proteins", J. Virol., 75:12121-12127 (2001)
	AQQ	Shen et al., "Localization of PEPT1 and PEPT2 proton-coupled oligopeptide transporter mRNA and protein in rat kidney", Am. J. Physiol., 276:F658-665 (1999)
	ARR	Steiner et al., "The PTR family: a new group of peptide transporters", Mol. Microbiol., 16:825-834 (1995)
	ASS	Strehlow et al., "Retroviral membrane display of apoptotic effector molecules", Proc. Natl. Acad. Sci. USA, 97:4209-4214 (2000)
	ATT	Sugano et al., "Quantitative Structure-Intestinal Permeability Relationship of Benzamidine Analogue Thrombin Inhibitor", Bioorg. Med. Chem. Lett. 10:1939-1942 (2000)
	AUU	Sun et al., "Drug Inhibition of Gly-Sar Uptake and hPepT1 Localization using hPepT1-GFP Fusion Protein", AAPS Pharmsci., 3:1-9 (2001)
	AVV	Szakacs et al., "Characterization of the ATPase Cycle of Human ABCA1: Implications for its Function as a Regulator Rather Than an Active Transporter", Biochem. Biophys. Res. Commun., 288:1258-1264 (2001)
	AWW	Takahashi et al., "Interaction of $\beta$ -Lactam Antibiotics with H <sup>+</sup> /peptide Cotransporters in Rat Renal Brush-Border Membranes", J. Pharmacol. Exp. Ther., 286:1037-1042 (1998)
	AXX	Terada et al., "Peptide Transporter Family", Tanpakushitsu Kakusan Koso., 46:621-628 (2001) (English summary provided)
↓	AYY	Terada et al., "Characterization of Stably Transfected Kidney Epithelial Cell Line Expressing Rat H <sup>+</sup> /Peptide Cotransporter PEPT1: Localization of PEPT1 and Transport of $\beta$ -Lactam Antibiotics", J. Pharmacol. Exp. Ther., 281:1415-1421 (1997)
/CY/	AZZ	Zhou et al., "Characterization of an oligopeptide transporter in renal lysosomes", Biochim. Biophys. Acta., 1466:372-378 (2000)

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<b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant <b>Tatsuhiko Kodama et al.</b>	
		Filing Date <b>May 25, 2006</b>	Group Art Unit <b>1653</b>

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA						

Foreign Patent Documents or Published Foreign Patent Applications								
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							Yes	No
	AB							

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/CY/	AC	Hsu et al., "Overexpression of Human Intestinal Oligopeptide Transporter in Mammalian Cells via Adenoviral Transduction," <i>Pharm. Res.</i> , 15:1376-1381 (1998)

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		Filing Date May 25, 2006	Group Art Unit 1653

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
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							Yes	No
/CY/	AB	AU 9676557	06/19/1997	Australia			See AD	
/CY/	AC	KR 1999-0071666	09/27/1999	Korea			See AD	
/CY/	AD	WO 97/19919	06/05/1997	WIPO			English abstract	

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/CY/	AE	Basu et al., "Screening of Anti-PepT1 Antibodies Using Indirect ELISA," <i>Pharmaceutical Research</i> , 13(9 Suppl.):S-37, Abstract No. APQ 1137 (1996)
	AF	Houdebine, "Transgenic animal bioreactors," <i>Transgenic Res.</i> , 9:305-320 (2000)
	AG	Kolb et al., "Insertion of a foreign gene into the $\beta$ -casein locus by Cre-mediated site specific recombination," <i>Gene</i> , 227:21-31 (1999)
	AH	Lariviere et al., "Transgenic Studies of Pain and Analgesia: Mutation or Background Genotype?" <i>J. Pharmacol. Exp. Ther.</i> , 297:467-473 (2001)
	AI	Leiter, "Mice with targeted gene disruptions or gene insertions for diabetes research: problems, pitfalls, and potential solutions," <i>Diabetologia</i> , 45:296-308 (2002)
	AJ	Mancini et al., "Induction of Anti-Hepatitis B Surface Antigen (HBsAg) Antibodies in HBsAg Producing Transgenic Mice: A Possible Way of Circumventing 'Nonresponse' to HBsAg," <i>J. Med. Virol.</i> , 39:67-74 (1993)
	AK	Murray, "Genetic Modification of Animals in the Next Century," <i>Theriogenology</i> , 51:149-159 (1999)
	AL	Sigmund, "Viewpoint: Are Studies in Genetically Altered Mice Out of Control," <i>Arterioscler. Thromb. Vasc. Biol.</i> , 20:1425-1429 (2000)
/CY/	AM	Tsuchiya, "Therapeutic Antibody," Presentation, Chugai Pharmaceutical Co., Ltd., 21 pages (January 21, 2003)

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Substitute Disclosure Form (PTO-1449)

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Substitute Form PTO-1449 (Modified)  <b>Supplemental Information Disclosure Statement by Applicant</b> (Use several sheets if necessary)  (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 14875-152US1	Application No. 10/550,987
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							Yes	No
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/CY/	AE	Karaki et al., "Production of anti-HLA class I alloantibodies using HLA-B51 transgenic mice," <i>Nihonmenekigakkaisoukai Gakujutsushuukaikiroku</i> , Abstract No. C61, p. 197 (1990) (English translation included)
/CY/	AF	Nishimura et al., "Expression of the Human MHC, HLA-DQw6 Genes Alters the Immune Response in C57BL/6 Mice," <i>J. Immunol.</i> , 145:353-360 (1990)
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